

Date: Sat, 8 Oct 94 04:30:24 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: List
Subject: Ham-Equip Digest V94 #362
To: Ham-Equip

Ham-Equip Digest Sat, 8 Oct 94 Volume 94 : Issue 362

Today's Topics:

2-meter multimode FOR SALE (2 msgs)
APOLOGIES FOR POSTING "FOR SALE"
FOR SALE: 2-meter Multimode (REPOST)
FT-290R Mk II FOR SALE
Help identifying some SMT devices
How About the Scout? (3 msgs)
HTX-202 powersave mode strangeness?
Kenwood Th-78a for sale
Max output power - measured where ?
Mods for Sony 7600
Moto MaxTrac
Need INFO on HAL CRI-200 RTTY Interface
Problem with FT2200 display
RS HTX-202
TEST EQUIPMENT- INDUCTANCE MEASURING
TH-79A mods wanted!!!
WTB: Radar gun... (2 msgs)
WTB: Solid State Function Generator

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 6 Oct 1994 17:33:10 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: 2-meter multimode FOR SALE

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE" post.

>
>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

Date: Thu, 6 Oct 1994 17:27:57 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: 2-meter multimode FOR SALE

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE " post.

>
>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

Date: Thu, 6 Oct 1994 17:44:47 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: APOLOGIES FOR POSTING "FOR SALE"

Sorry!!! :-(Won't happen again.....

73 DE K4MSG

Date: Thu, 6 Oct 1994 17:34:16 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: FOR SALE: 2-meter Multimode (REPOST)

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE" post.

>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

Date: Thu, 6 Oct 1994 17:25:53 GMT

From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: FT-290R Mk II FOR SALE

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

My apologies for the "FOR SALE" post.

>
>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

Date: Fri, 7 Oct 1994 02:25:13 GMT
From: wrt@eskimo.com (Bill Turner)
Subject: Help identifying some SMT devices

Can only answer part of your question: Why all the resistors in parallel? Since parts have become so cheap and labor so expensive, manufacturers have found it more expedient to parallel or series components to create the value desired rather than spend the effort to stock many different part numbers. Two 10Ks = either a 5K or a 20K with no extra documentation at all. Make it three or four or more and the savings get even larger. Granted, the purists will complain about reliability when using more parts, but the reliability of components run at low power these days is so much better than the old days that it doesn't really matter.

Hope this helps.

73, W7LZP

Date: Fri, 7 Oct 1994 13:02:01 GMT
From: jonr@scs.unt.edu (Jon Reynolds (CIS 2469))
Subject: How About the Scout?

I don't know if there's been much discussion of the TenTec Scout here, but I'm thinking about buying one and would appreciate any comments from hams using this rig.

Jon Reynolds
University of North Texas

Date: Fri, 7 Oct 1994 11:16:13 UNDEFINED
From: fleming@mcs.com (John Fleming)
Subject: How About the Scout?

In article <jonr.25.781534921@scs.unt.edu> jonr@scs.unt.edu (Jon Reynolds (CIS 2469)) writes:

>I don't know if there's been much discussion of the TenTec Scout here, but I'
>m thinking about buying one and would appreciate any comments from hams
>using this rig.

John,
I understand from reading the CIS:HAMNET thread on Compuserv (far and away better than the usenet groups on Internet; Why is that ??), The Index Labs QRP rig is superior, for about \$600. They advertise, I think, in QST. If you can't find the phone#, E-Mail me, or maybe someone else can follow with their experiences. All the postings by those in the know indicate it's a better rig for the money, although lately there have been complaints about long wait times.

73, John Fleming, N9NDH

"May your Sandcastles | John Fleming |
as big as the beach" | johnflem@mcs.com |
| "opinions are free, advice will cost you"|
=====

Date: 7 Oct 1994 16:54:59 GMT
From: moritz@ipers1.e-technik.uni-stuttgart.de ()
Subject: How About the Scout?

>I don't know if there's been much discussion of the TenTec Scout here, but I'
>m thinking about buying one and would appreciate any comments from hams
>using this rig.

Jon,

I hav bought one a few weeks ago, and although I had no chance to compare it with other rigs, I can say the following:

1. Changing the modules is a bit tricky, so although they are cheap, its not that you can freely flip across the bands. More for using with a well designed monoband antenna.

2. Tuning it takes getting used to. When you touch the tuning knob the frequency locked loop will unlock and then lock after leaving it. so during tuning the pitch of a cw signal sounds rather wobbly. (after locking it is rock steady of cause)

3. The rx is based on a 7dbm balanced mixer, from discrete components (if I reember correctly), So although this is not the Ultimate, it is OK.

4. The continuous bandwith filter tuning works well and without ringing at cw. One thing I dislike there: I think that the skirt steepness is not as high as it could be: When you tune across a strong carrier, e.g. a am bc transmitter, you will notice it coming up on the other sideband. I have no quantitave number as to the suppression, but I get to measure it in a few weeks.

5. The absence of unneccesary knobs is a treat.

Well, this is all, remember that we are talking about one of the cheapest rigs on the market. I should like to compare it with a TS50 on 40m...
Comment from another ham here: the best mobile/portable rig around.

vy interested in more infos myself, 73, Moritz DL5UH

Date: Sat, 08 Oct 94 02:37:39 GMT
From: smp@agape.sol.net (Steven M. Palm)
Subject: HTX-202 powersave mode strangeness?

In article <371hg0\$oo6@Kontron.De> tom@kontron.de writes:

>
>Anyone out there with an HTX-202 experiencing the following when
>placing their HT in powersave mode?
.
.
.
>Wait several seconds, and now try to use the tuning knob
>to change frequency or memory channel.

I found that mine did that as well, but if I changed the delay time for the power save mode, it seemed to work okay without having to disable it completely. I cannot remember which setting it was at when I had the problem, but I think it was 1/2 second. Now I have it back to 1/16 where it was when shipped.

Just some input.

Date: Thu, 6 Oct 1994 22:02:54
From: slc@execpc.com (Stephen Castner)
Subject: Kenwood Th-78a for sale

Wanna buy a Kenwood TH-78A??
One year old, mint condition. It has CAP/Mars. I can get the 800Mhz done.
One stock wall charger, antenna and battery.
\$325-\$375 or best offer. Or I'll trade for a new/used Yasau FT-530.
Email please.
slc@execpc.com

PS>I am not a FARMER!!!! &@*#&@!*&!!!!

Steve, N9VBC-.-.----.-.-----.....-----.....-----.....-----
Cool.
/s

Date: 8 Oct 1994 04:07:39 GMT
From: little@iamu.chi.dec.com (Todd Little)
Subject: Max output power - measured where ?

In article <Cx9Ir6.D1I@bigtop.dr.att.com>, n2ic@longs.att.com (Steve London)
writes:

|>
|>An unrelated, but interesting question, is where should the 1500 watts be
|>measured ? At the output of the amplifier, or at the antenna feedpoint ?
|>As pointed out in Dave Leeson's (W6QHS) book, "Physical Design of Yagi
|>Antennas", the FCC rules are not clear on this point. This is not a moot
|>point for those of us who might have 3 dB of feedline loss on 10 meters.
|>
|>I can see the flames flying already !

Flames, naw, only from the poor amp. This same question was brought up a
while on the contest reflector. An even stranger spin than taking into
account your feedline loss is why can't one run X over X over X with each
being driven at 1500 watts.

More flames a coming.

73,
Todd
N9MWB

Date: 6 Oct 94 20:28:00 GMT
From: sheppard.gordon@moondog.com (Sheppard Gordon)
Subject: Mods for Sony 7600

Does anyone know of any mods for Sony's shortwave 7600 unit?

-> Alice4Mac 2.4.4 E QWK Eval:09Jun94
Origin: sheppard.gordon@moondog.com

Date: 8 Oct 1994 02:44:02 -0400
From: johnmx1@aol.com (JOHN MXL)
Subject: Moto MaxTrac

In article <Cx3xK5.EwE@chinet.chinet.com>, drx@chinet.chinet.com (Scott Whittle) writes:

>Anyone care to foward the info for programming the UHF Motorola MaxTrac
>radio? ANY help would be appreciated!!!
>thanks,
>s.

Motorola uses software to program all of their current lines of radios. Each model of radio usually requires a different program. In addition, a device called a Radio Interface Box, or RIB, and the correct adaptor cable for the radio being programmed are needed. Again, each model will (typically) take a different cable. The newer the radio, the greater the chance it will take a different cable than any other model.

The MaxTrac uses different versions of software depending on whether the radio is conventional or trunked. A conventional VHF will use the same software and cable as a conventional UHF, however.

The RIB and cables are available from Motorola or from outside vendors. Look in the back of Mobile Radio Technology or some similar publication. Cost will run \$100 (aftermarket) - \$250 (Motorola).

The software is a different story. It is only available from Motorola, and it is copyright software. Motorola has no sense of humor when it comes to bootleg or hacked programming software. It can be ordered from National Parts Distribution. Expect the cost to be in the neighborhood of \$250-300.

Programming the radio is fairly straightforward. Make sure you have the

RIB connected, and make sure you have power to the radio. Programming is done on a mode(channel) by mode basis for freqs and PLs. Timeout is set radio-wide, and power and deviation settings are done in a different service mode using the same software and RIB.

Your best bet is going to be to find someone familiar with Motorola programming in your area. It may be more economical for you to pay a programming fee to have someone else program it for you rather than springing for the software and equipment yourself.

Hope I answered your questions. If you want, you can E-Mail me privately, and I will discuss in greater detail.

John

johnmx1@aol.com

Date: 7 Oct 1994 14:45:34 GMT
From: rdkeys@csemail.cropsci.ncsu.edu (R. D. Keys)
Subject: Need INFO on HAL CRI-200 RTTY Interface

Hello Friend Hams.....

I have just purchased a HAL CRI-200 Computer RTTY Interface and am looking to find some information on same.

1. Does anyone have a manual that I could get a xerox of?
 2. What is the power voltage and polarity required at the dc power adapter socket on the back panel (+12vdc? GND=SHELL?).
 3. What is the pinout and interface specifications on the 5 pin computer I/O port connector? I am assuming RS-232, but it could be something funky like 5V tty RS-232, or it might even be current loop (20 ma).
 4. What are the cw keying polarities on the two keying jacks?
- Any Help is appreciated

Most Sincerely,
Robert D. Keys, ``Boatanchor Bob'', NA4G
rdkeys@csemail.cropsci.ncsu.edu

p.s. What in the world am I doing playing around with non-vacuum-tube technology..... (:+}}.....

* 73 TU SU VA DE NA4G ``Boat Anchor Bob'', an ol' CW fart. *

* Morse has been in the family for over 100 years. *
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914. *

* May you have fair winds and following seas on your watch at the key. *

Date: Fri, 7 Oct 94 08:14:21 CDT
From: "Steve Hilberg" <hberg@sun.sws.uiuc.edu>
Subject: Problem with FT2200 display

I'm having an intermittent problem with the display on my Yaesu Ft-2200 radio. Occasionally, when I turn on the radio, all the LCD segments are lit, or some miscellaneous ones are lit - the display looks "scrambled". The radio continues to function normally - I can transmit and receive on the frequency that is set. I sometimes can return the display to normal by pressing the F/W key, and sometimes by turning the radio on and off.

Has anyone else seen this problem?

73

-Steve-
N9XDC

Date: Fri, 7 Oct 1994 15:59:06 GMT
From: stevet@carib.oakhill-csic.sps.mot.com (Steve Turner-CAD_Tools)
Subject: RS HTX-202

>>>> In article <Cx8JBL.8zC@nucleus.com>, rbailey@nucleus.com (Rob Bailey) writes:

Rob> Hello: I'm new to Ham and Packet and was considering
Rob> purchasing a Radio Shack HTX-202 2m HT. I was wondering if
Rob> anybody could tell me about their experiences with this unit,
Rob> good or bad. Is it capable of working with a 9600 baud TNC?
Rob> Does anybody know of any reviews of this radio? Any info
Rob> would be greatly appreciated...

I am also new to Ham, currently studying for the Technician test. While I don't have much hands-on experience with HT's, I have done a

little research on the HTX-202 and recently bought one. QST magazine reviewed several 2m HT's in October 1992, including the HTX-202. Other radios reviewed were: Alinco DJ-162TD and DJ-F1T, ICOM IC-P2AT and IC-2SRA, Kenwood TH-28A and TH-225A, Standard C168A, Yaesu FT-411E and FT-415. Here's an excerpt regarding the HTX-202:

The runaway leader in in-band receiver performance, the HTX-202, Radio Shack's first-ever 2-meter hand-held transceiver, does the company proud. This rig has taken a lot of pounding on the air and in other ham forums for its lack of receiver coverage outside the 2m ham band - something that every competing radio provides - but the benefit is a direct payoff in adjacent-channel selectivity and two-tone, third-order IMD dynamic range. [...] What does this mean to you? The HTX-202 is practically immune to the interference problems so common in urban areas thick with VHF radio traffic.

[...]

Other points in its favor include its ruggedness, super-easy programming and operation; loud, low-distortion receiver audio; and clear, well-illuminated display. It's the only radio in the group that comes with both an alkaline battery case and a NiCd battery pack. Its instruction manual is also excellent.

[...]

The HTX-202's unlit keypad can be hard to read in the dark, and this is *not* a compact radio. [...] But therein lies the advantage: Though Radio Shack's accessory offerings are few, the HTX-202 is compatible with ICOM's large line of IC-2AT-series accessories.

For budget-conscious operators who value solid receiver performance and the ability to buy locally, and who don't consider the HTX-202's lack of extended receiver coverage a major liability, this radio offers solid value and good basic performance.

[...]

Only the HTX-202 includes a battery-charging indicator. This feature, insignificant as it may seem, made most of the evaluator's wish lists.

[...]

For those who need only ham-band coverage and 16 memories, Radio Shack's \$260 HTX-202, the second-least-expensive radio reviewed here, is another super value. Its receiver performance, standard extras, and high transmitter power (6 W at 13.8 V) make it best

suited for occasional portable or mobile use and the best of this bunch for home-station operation.

Radio Shack had the HTX-202 on sale for \$199 recently. I bought one on the last day of the sale, but I think they're back at \$259 now. At that price, you might want to take a look at some of the other HT's on the market...

You might also send mail to brettb@cruzio.com. He is organizing a mailing list for the HTX-202 and might have some information for you.

Hope this helps you.

--

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-----  
Steve Turner                                Motorola  
stevet@oakhill-csic.sps.mot.com           CSIC Design Automation  
512.891.8728                               Austin, TX
```

"Specialization is for insects."

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Date: 7 Oct 1994 17:35:36 GMT  
From: pelt@vt.edu (Ranson J. Pelt)  
Subject: TEST EQUIPMENT- INDUCTANCE MEASURING
```

QST

Can anyone give me some advice on a good piece of equipment for measuring inductances. I have an LCR meter (LCR 195) which I purchased from Alpha Elec. several years ago. This meter works great for measuring capacitance but just doesn't get it for measuring small inductances (uh range).

Tnx for the help.

de nz4i Randy

--

Ranson Pelt
pelt@vt.edu
QST de nz4i

```
-----  
  
Date: 8 Oct 1994 04:32:38 GMT  
From: grsnow@wpi.edu (Gregory Ryan Snow)
```

Subject: TH-79A mods wanted!!!

You can ftp the mods from
ftp://oak.oakland.edu/pub/hamradio/mods/kenwood/th79a

If you don't have ftp access reply and i'll forward them along to
you. Enjoy!

Gregory R. Snow
KA1WIG
grsnow@wpi.edu

Date: 7 Oct 1994 15:30:49 GMT
From: hutchine@river.it.gvsu.edu (E.Hutchinson-N8XHP)
Subject: WTB: Radar gun...

I am looking to purchase a CHEAP, USED radar gun...X or K band
is not important. Wanted to take surveys in the area for school project.
Any suggestions for a inexpensive gun would be appreciated. So did up
all those boxes and look for a radar gun in your junk boxes...Please
reply to personal E-mail...Thanks in advance...

--> Eric <=

--
=====

= Eric M. Hutchinson - N8XHP	Grand Valley State University =
= * HAZMAT *	Allendale, Michigan * BLS/CPR * =
=====hutchine@river.it.gvsu.edu=====	

Date: Sat, 8 Oct 1994 02:45:15 GMT
From: jnormandin@umassd.edu (JERRY NORMANDIN)
Subject: WTB: Radar gun...

In article <373pj9\$600@news.it.gvsu.edu>, hutchine@river.it.gvsu.edu
(E.Hutchinson-N8XHP) writes:

> I am looking to purchase a CHEAP, USED radar gun...X or K band
>is not important. Wanted to take surveys in the area for school project.
>Any suggestions for a inexpensive gun would be appreciated. So did up
>all those boxes and look for a radar gun in your junk boxes...Please
>reply to personal E-mail...Thanks in advance...

>
>--> Eric <=

>--

>=====

>= Eric M. Hutchinson - N8XHP Grand Valley State University =

>= * HAZMAT * Allendale, Michigan * BLS/CPR * =

>=====hutchine@river.it.gvsu.edu=====

MAKE SURE YOU USE CAUTION WHEN YOU USE THE RADAR GUN!! THEY CAUSE CANCER!

That's why Laser RADAR is now used!

Date: 7 Oct 1994 15:43:45 GMT

From: hadleyv@et.byu.edu (Vince B. Hadley)

Subject: WTB: Solid State Function Generator

Subject: WTB: Solid State Function Generator

Newsgroups: sci.electronics

Reply-To: hadleyv@bones.et.byu.edu

Distribution:

Summary:

Keywords:

Looking for a good used Function Generator.

- Sine Wave
- Square Wave
- Triangle Wave
- Variable Duty Cycle
- Sync output
- Frequency can be controlled by an external DC voltage
- 50 Ohm output Impedance
- Variable amplitude (>10Vp-p into a 50 ohm load would be nice)
 (range of at least <20mVp-p to >20Vp-p (open circuit))
- Has variable adjustable DC offset voltage
- A Sweep ability would be nice but is optional
- A freq range of at least .2 to 2MHz but would like up to 10MHz if
 not too expensive.
- A manual if possible.

This is for personal use at home while attending school, etc.

Thanks!

--

Vince Hadley |

KA7GVQ |

hadleyv@bones.et.byu.edu |

End of Ham-Equip Digest V94 #362
